

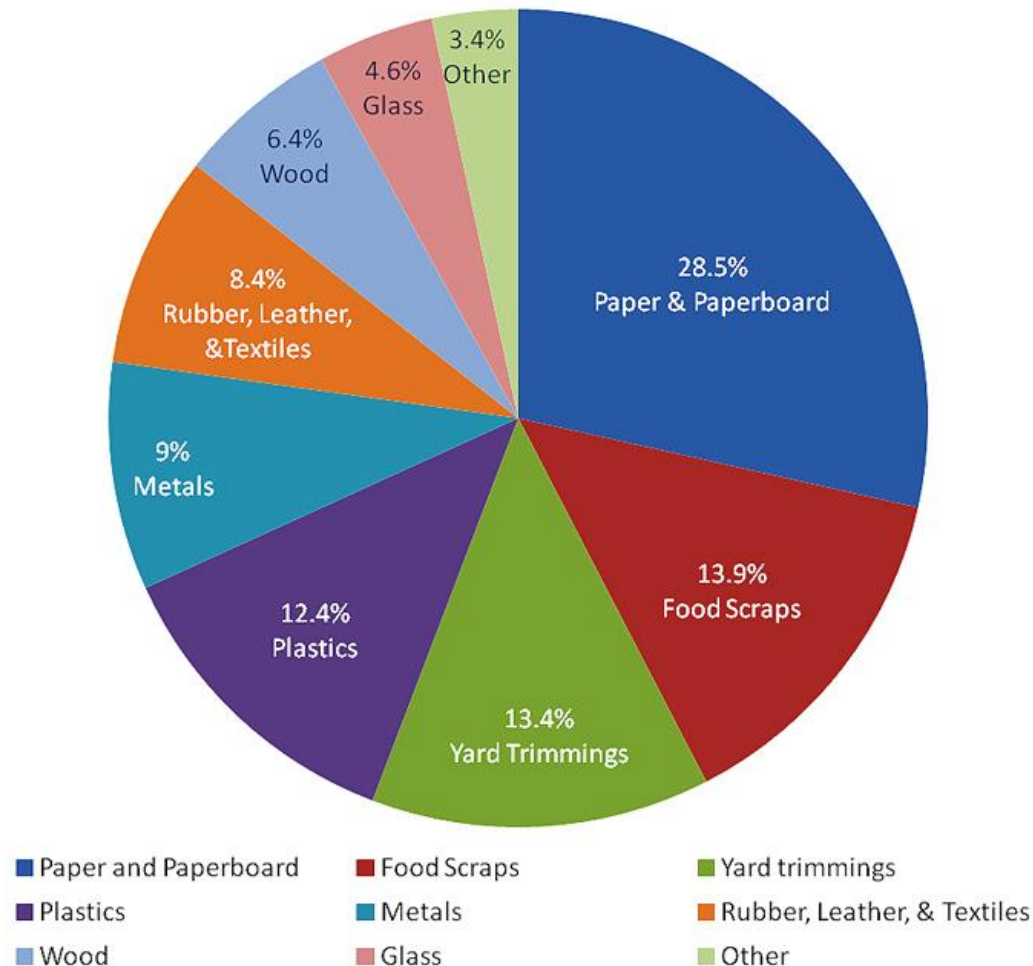
# ORGANIC WASTE COLLECTION

Wayne Koeckeritz

Owner, Food Waste Disposal, LLC

# How Much Waste Do We Produce?

2010 Total MSW Generation (by Material)  
250 Million Tons (Before Recycling)



# Organic Waste

- 56% of all MSW generated is organic waste (paper, yard trimmings, & food scraps)
- Paper makes up the largest share, 29% and has the highest recycling rate of 63%
- Yard trimmings are the smallest at 13% and a respectable 58% recycling rate
- Food scraps make up 14% of all MSW and have a recycling rate of...

3%

# Which Means...

- ...Food scraps account for the single largest (by weight) contributor to landfills.
- Of the 34 million tons generated...
- ...33 million were buried or burned.

# Why So Little Recovery

- Lack of Processing Infrastructure
  - Commercial Composting
  - Anaerobic Digestion
  - Livestock Feed
- Lack of Hauling Infrastructure
- Other Logistical Challenges (covered later)



# What is Organic Waste?



# And How Do You Haul It?

- Pick-up Truck/Flatbed with barrels
- Rear loader with roll carts and/or dumpsters
- Modified rendering truck/trailer
- Front loader
- Single haul





# Why Haul It?

- Reduce traditional waste hauling and user fee expenses
  - Value proposition
- Reduce landfill methane emissions
- Use as compost
  - Improves soil health
  - Increases drought resistance
  - Reduces the need for supplemental water, fertilizers, and pesticides

# Why Haul It?

- Increases sustainability options for customers
  - Zero Waste to Landfill
- Increased marketing opportunities for customers



# Why Haul It?

- Extend life of landfill
- Health and Sanitation benefits
  - Reduce rodents, odors, and insects
  - Less handling = greater safety

# Challenges

- Potentially Higher Costs
  - More labor intensive to handle – premium service
  - Bag costs
  - Lack of route density
- Perception versus Reality
  - “Ick” factor
  - Current handling of food and organics
- Organic Waste Heavier than MSW

# Challenges

- Limited Number of Potential Customers
  - Larger generators
  - Small generators
- Even Smaller Number of Early Adopters
  - No regulatory incentives
  - No municipal incentives
- Education
- Tradition

# So, Why Do It? (Or Why I Did)

- It's Where Recycling Was 20 Years Ago
  - Move it to where recycling is now
- Timing
- The Right Thing to Do
- The Right Community to Do It
  - Farm to Table, Table to Farm



Questions?